Fig. 1

CAGCCTGCCA	CTTGCCTCCC	TGCCTGCTTC	TGGCTGCCTT
GAATGCCTGG	TCCTTCAAGC	TCCTTCTGGG	TCTGACAAAG
CAGGGACCAT	GTCTACCTTT	GGCTACCGAA	GAGGACTCAG
TAAATACGAA	TCCATCGACG	AGGATGAACT	CCTCGCCTCC
CTGTCAGCCG	AGGAGCTGAA	GGAGCTAGAG	AGAGAGTTGG
AAGACATTGA	ACCTGACCGC	AACCTTCCCG	TGGGGCTAAG
GCAAAGAGC	CTGACAGAGA	AAACCCCAC	AGGGACATTC
AGCAGAGAGG	CACTGATGGC	CTATTGGGAA	AAGGAGTCCC
AAAAACTCTT	GGAGAAGGAG	AGGCTGGGGG	AATGTGGAAA
GGTTGCAGAA	GACAAAGAGG	AAAGTGAAGA	AGAGCTTATC
TTTACTGAAA	GTAACAGTGA	GGTTTCTGAG	GAAGTGTATA
CAGAGGAGGA	GGAGGAGGAG	TCCCAGGAGG	AAGAGGAGGA
AGAAGACAGT	GACGAAGAGG	AAAGAACAAT	TGAAACTGCA
AAAGGGATTA	ATGGAACTGT	AAATTATGAT	AGTGTCAATT
CTGACAACTC	TAAGCCAAAG	ATATTAAAA	GTCAAATAGA
GAACATAAAT	TTGACCAATG	GCAGCAATGG	GAGGAACACA
GAGTCCCCAG	CTGCCATTCA	CCCTTGTGGA	AATCCTACAG
TGATTGAGGA	CGCTTTGGAC	AAGATTAAAA	GCAATGACCC
TGACACCACA	GAAGTCAATT	TGAACAACAT	TGAGAACATC
ACAACACAGA	CCCTTACCCG	CTTTGCTGAA	GCCCTCAAGG
ACAACACTGT	GGTGAAGACG	TTCACTCTGG	CCAACACGCA
TGCCGACGAC	AGTGCAGCCA	TGGCCATTGC	AGAGATGCTC
AAAGCCAATG	AGCACATCAC	CAACGTAAAC	GTCGAGTCCA
ACTTCATAAC	GGGAAAGGGG	ATCCTGGCCA	TCATGAGAGC
TCTCCAGCAC	AACACGGTGC	TCACGGAGCT	GCGTTTCCAT

```
AACCAGAGGC    ACATCATGGG    CAGCCAGGTG    GAAATGGAGA
TTGTCAAGCT    GCTGAAGGAG    AACACGACGC    TGCTGAGGCT
GGGATACCAT    TTTGAACTCC    CAGGACCAAG    AATGAGCATG
ACGAGCATTT    TGACAAGAAA    TATGGATAAA    CAGAGGCAAA
AACGTTTGCA    GGAGCAAAAA    CAGCAGGAGG    GATACGATGG
AGGACCCAAT    CTTAGGACCA    AAGTCTGGCA    AAGAGGAACA
CCTAGCTCTT    CACCTTATGT    ATCTCCCAGG    CACTCACCCT
GGTCATCCCC    AAAACTCCCC    AAAAAAGTCC    AGACTGTGAG
GAGCCGTCCT    CTGTCTCCTG    TGGCCACACT    TCCTCCTCCT
CCCCCTCCTC    CTCCTCCTCC    CCCTCCTTCT    TCCCAAAGGC
TGCCACCACC    TCCTCCTCCT    CCCCCTCCTC    CACTCCCAGA
GAAAAAGCTC    ATTACCAGAA    ACATTGCAGA    AGTCATCAAA
CAACAGGAGA    GTGCCCAACG    GGCATTACAA    AATGGACAAA
AAAAGAAAAA    AGGGAAAAAG    GTCAAGAAAC    AGCCAAACAG
TATTCTAAAG    GAAATAAAAA    ATTCTCTGAG    GTCAGTGCAA
GAGAAGAAAA    TGGAAGACAG    TTCCCGACCT    TCTACCCCAC
AGAGATCAGC    TCATGAGAAT    CTCATGGAAG    CAATTCGGGG
AAGCAGCATA    AAACAGCTAA    AGCGGGTGGA    AGTTCCAGAA
GCCCTGCGAT    GGGAACATGA    TCTTTAGAAG    AGGATGCAGA
ACTGTTCAGT    GGTATTACAT    GAAATGCATT    GTGAGATGTT
TCTAAATAC     CTTCTTCAAT    TCAAAATGAT    CCCTGACTTT
AAAATAATC     TCACCCATTA    ATTCCAAAGA    GAATCTTAAG
AAACAATCAG    CATGTTTCTT    CTGTAAATAT    GAAAATAAAT
TTCTTTTTTA    TGTCGT-poly(A)-. tail
```

Fig. 2

CAGCCTGCCA	CTTGCCTCCC	TGCCTGCTTC	TGGCTGCCTT
GAATGCCTGG	TCCTTCAAGC	TCCTTCTGGG	TCTGACAAAG
CAGGGACC**AT**	**GTCTACCTTT**	**GGCTACCGAA**	**GAGGACTCAG**
TAAATACGAA	**TCCATCGACG**	**AGGATGAACT**	**CCTCGCCTCC**
CTGTCAGCCG	**AGGAGCTGAA**	**GGAGCTAGAG**	**AGAGAGTTGG**
AAGACATTGA	**ACCTGACCGC**	**AACCTTCCCG**	**TGGGGCTAAG**
GCAAAAGAGC	**CTGACAGAGA**	**AAACCCCAC**	**AGGGACATTC**
AGCAGAGAGG	**CACTGATGGC**	**CTATTGGGAA**	**AAGGAGTCCC**
AAAAACTCTT	**GGAGAAGGAG**	**AGGCTGGGGG**	**AATGTGGAAA**
GGTTGCAGAA	**GACAAAGAGG**	**AAAGTGAAGA**	**AGAGCTTATC**
TTTACTGAAA	**GTAACAGTGA**	**GGTTTCTGAG**	**GAAGTGTATA**
CAGAGGAGGA	**GGAGGAGGAG**	**TCCCAGGAGG**	**AAGAGGAGGA**
AGAAGACAGT	**GACGAAGAGG**	**AAAGAACAAT**	**TGAAACTGCA**
AAAGGGATTA	**ATGGAACTGT**	**AAATTATGAT**	**AGTGTCAATT**
CTGACAACTC	**TAAGCCAAAG**	**ATATTTAAAA**	**GTCAAATAGA**
GAACATAAAT	**TTGACCAATG**	**GCAGCAATGG**	**GAGGAACACA**
GAGTCCCCAG	**CTGCCATTCA**	**CCCTTGTGGA**	**AATCCTACAG**
TGATTGAGGA	**CGCTTTGGAC**	**AAGATTAAAA**	**GCAATGACCC**
TGACACCACA	**GAAGTCAATT**	**TGAACAACAT**	**TGAGAACATC**
ACAACACAGA	**CCCTTACCCG**	**CTTTGCTGAA**	**GCCCTCAAGG**
ACAACACTGT	**GGTGAAGACG**	**TTCAGTCTGG**	**CCAACACGCA**
TGCCGACGAC	**AGTGCAGCCA**	**TGGCCATTGC**	**AGAGATGCTC**
AAAGCCAATG	**AGCACATCAC**	**CAACGTAAAC**	**GTCGAGTCCA**
ACTTCATAAC	**GGGAAGGGG**	**ATCCTGGCCA**	**TCATGAGAGC**
TCTCCAGCAC	**AACACGGTGC**	**TCACGGAGCT**	**GCGTTTCCAT**
AACCAGAGGC	**ACATCATGGG**	**CAGCCAGGTG**	**GAAATGGAGA**

```
TTGTCAAGCT    GCTGAAGGAG    AACACGACGC    TGCTGAGGCT
GGGATACCAT    TTTGAACTCC    CAGGACCAAG    AATGAGCATG
ACGAGCATTT    TGACAAGAAA    TATGGATAAA    CAGAGGCAAA
AACGTTTGCA    GGAGCAAAAA    CAGCAGGAGG    GATACGATGG
AGGACCCAAT    CTTAGGACCA    AAGTCTGGCA    AAGAGGAACA
CCTAGCTCTT    CACCTTATGT    ATCTCCCAGG    CACTCACCCT
GGTCATCCCC    AAAACTCCCC    AAAAAAGTCC    AGACTGTGAG
GAGCCGTCCT    CTGTCTCCTG    TGGCCACACT    TCCTCCTCCT
CCCCCTCCTC    CTCCTCCTCC    CCCTCCTTCT    TCCCAAAGGC
TGCCACCACC    TCCTCCTCCT    CCCCCTCCTC    CACTCCCAGA
GAAAAAGCTC    ATTACCAGAA    ACATTGCAGA    AGTCATCAAA
CAACAGGAGA    GTGCCCAACG    GGCATTACAA    AATGGACAAA
AAAAGAAAAA    AGGGAAAAAG    GTCAAGAAAC    AGCCAAACAG
TATTCTAAAG    GAAATAAAAA    ATTCTCTGAG    GTCAGTGCAA
GAGAAGAAAA    TGGAAGACAG    TTCCCGACCT    TCTACCCCAC
AGAGATCAGC    TCATGAGAAT    CTCATGGAAG    CAATTCGGGG
AAGCAGCATA    AAACAGCTAA    AGCGGGTGGA    AGTTCCAGAA
GCCCTGCGAT    GGGAACATGA    TCTTTAGAAG    AGGATGCAGA
ACTGTTCAGT    GGTATTACAT    GAAATGCATT    GTGAGATGTT
TCTAAATAC     CTTCTTCAAT    TCAAAATGAT    CCCTGACTTT
AAAAATAATC    TCACCCATTA    ATTCCAAAGA    GAATCTTAAG
AAACAATCAG    CATGTTTCTT    CTGTAAATAT    GAAAATAAAT
TTCTTTTTA     TGTCGTGAGA    TTTGTATTGG    CAAGAAGCAG
TTAATTAAA     GATGCTCTTC    CTATCTGTGG    ATGTGTTGGT
AACTCCGAGT    TGTAATGAGT    TCATGAAATG    TGCTGTTATT
TTTGTAATCT    CAATAAATGT    GGATTGAAGT    TTTTTCCCTT
-poly(A)-tail
```

Fig. 3

CAGCCTGCCA	CTTGCCTCCC	TGCCTGCTTC	TGGCTGCCTT
GAATGCCTGG	TCCTTCAAGC	TCCTTCTGGG	TCTGACAAAG
CAGGGACCAT	GTCTACCTTT	GGCTACCGAA	GAGGACTCAG
TAAATACGAA	TCCATCGACG	AGGATGAACT	CCTCGCCTCC
CTGTCAGCCG	AGGAGCTGAA	GGAGCTAGAG	AGAGAGTTGG
AAGACATTGA	ACCTGACCGC	AACCTTCCCG	TGGGGCTAAG
GCAAAGAGC	CTGACAGAGA	AAACCCCAC	AGGGACATTC
AGCAGAGAGG	CACTGATGGC	CTATTGGGAA	AAGGAGTCCC
AAAAACTCTT	GGAGAAGGAG	AGGCTGGGGG	AATGTGGAAA
GGTTGCAGAA	GACAAGAGG	AAAGTGAAGA	AGAGCTTATC
TTTACTGAAA	GTAACAGTGA	GGTTCTGAG	GAAGTGTATA
CAGAGGAGGA	GGAGGAGGAG	TCCCAGGAGG	AAGAGGAGGA
AGAAGACAGT	GACGAAGAGG	AAAGAACAAT	TGAAACTGCA
AAAGGGATTA	ATGGAACTGT	AAATTATGAT	AGTGTCAATT
CTGACAACTC	TAAGCCAAAG	ATATTTAAAA	GTCAAATAGA
GAACATAAAT	TTGACCAATG	GCAGCAATGG	GAGGAACACA
GAGTCCCCAG	CTGCCATTCA	CCCTTGTGGA	AATCCTACAG
TGATTGAGGA	CGCTTTGGAC	AAGATTAAAA	GCAATGACCC
TGACACCACA	GAAGTCAATT	TGAACAACAT	TGAGAACATC
ACAACACAGA	CCCTTACCCG	CTTTGCTGAA	GCCCTCAAGG
ACAACACTGT	GGTGAAGACG	TTCAGTCTGG	CCAACACGCA
TGCCGACGAC	AGTGCAGCCA	TGGCCATTGC	AGAGATGCTC
AAAGCCAATG	AGCACATCAC	CAACGTAAAC	GTCGAGTCCA
ACTTCATAAC	GGGAAGGGG	ATCCTGGCCA	TCATGAGAGC
TCTCCAGCAC	AACACGGTGC	TCACGGAGCT	GCGTTTCCAT
AACCAGAGGC	ACATCATGGG	CAGCCAGGTG	GAAATGGAGA

```
TTGTCAAGCT    GCTGAAGGAG    AACACGACGC    TGCTGAGGCT
GGGATACCAT    TTTGAACTCC    CAGGACCAAG    AATGAGCATG
ACGAGCATTT    TGACAAGAAA    TATGGATAAA    CAGAGGCAAA
AACGTTTGCA    GGAGCAAAAA    CAGCAGGAGG    GATACGATGG
AGGACCCAAT    CTTAGGACCA    AAGTCTGGCA    AAGAGGAACA
CCTAGCTCTT    CACCTTATGT    ATCTCCCAGG    CACTCACCCT
GGTCATCCCC    AAAACTCCCC    AAAAAAGTCC    AGACTGTGAG
GAGCCGTCCT    CTGTCTCCTG    TGGCCACACT    TCCTCCTCCT
CCCCCTCCTC    CTCCTCCTCC    CCCTCCTTCT    TCCCAAAGGC
TGCCACCACC    TCCTCCTCCT    CCCCCTCCTC    CACTCCCAGA
GAAAAAGCTC    ATTACCAGAA    ACATTGCAGA    AGTCATCAAA
CAACAGGAGA    GTGCCCAACG    GGCATTACAA    AATGGACAAA
AAAAGAAAAA    AGGGAAAAAG    GTCAAGAAAC    AGCCAAACAG
TATTCTAAAG    GAAATAAAAA    ATTCTCTGAG    GTCAGTGCAA
GAGAAGAAAA    TGGAAGACAG    TTCCCGACCT    TCTACCCCAC
AGAGATCAGC    TCATGAGAAT    CTCATGGAAG    CAATTCGGGG
AAGCAGCATA    AAACAGCTAA    AGCGGGTGGA    AGTTCCAGAA
GCCCTGCGAT    GGGAACATGA    TCTTTAGAAG    AGGATGCAGA
ACTGTTCAGT    GGTATTACAT    GAAATGCATT    GTGAGATGTT
TCTAAAATAC    CTTCTTCAAT    TCAAAATGAT    CCCTGACTTT
AAAAATAATC    TCACCCATTA    ATTCCAAAGA    GAATCTTAAG
AAACAATCAG    CATGTTTCTT    CTGTAAATAT    GAAAATAAAT
TTCTTTTTTA    TGTCGTGAGA    TTTGTATTGG    CAAGAAGCAG
TTAATTTAAA    GATGCTCTTC    CTATCTGTGG    ATGTGTTGGT
AACTCCGAGT    TGTAATGAGT    TCATGAAATG    TGCTGTTATT
TTTGTAATCT    CAATAAATGT    GGATTGAAGT    TTTTTCCCTT
TTTTTAAAGC    CAAACTAATA    TTTTTCTGTG    ACTTGATACA
TCTGTCAGAT    TTTTGTAATC    TCGATAAATG    TGTATTGAAG
```

```
TTTTTTCCCT   TTTTTTAAAA AGCCAAACTA  ATATTTTTCT
GTGAGTTAAT   ACATCTGTCAG GTGTGTATGT AACATTACTG
GACATTAAAA   AAAATTATTAC ATTCTC-poly(A)-tail
```

Fig. 4

```
MSTFGYRRGL    SKYESIDEDE    LLASLSAEEL    KELERELEDI
EPDRNLPVGL    RQKSLTEKTP    TGTFSREALM    AYWEKESQKL
LEKERLGECG    KVAEDKEESE    EELIFTESNS    EVSEEVYTEE
EEEESQEEEE    EEDSDEEERT    IETAKGINGT    VNYDSVNSDN
SKPKIFKSQI    ENINLTNGSN    GRNTESPAAI    HPCGNPTVIE
DALDKIKSND    PDTTEVNLNN    IENITTQTLT    RFAEALKDNT
VVKTFSLANT    HADDSAAMAI    AEMLKANEHI    TNVNVESNFI
TGKGILAIMR    ALQHNTVLTE    LRFHNQRHIM    GSQVEMEIVK
LLKENTTLLR    LGYHFELPGP    RMSMTSILTR    NMDKQRQKRL
QEQKQQEGYD    GGPNLRTKVW    QRGTPSSSPY    VSPRHSPWSS
PKLPKKVQTV    RSRPLSPVAT    LPPPPPPPP     PPPSSQRLPP
PPPPPPPLP     EKKLITRNIA    EVIKQQESAQ    RALQNGQKKK
KGKKVKKQPN    SILKEIKNSL    RSVQEKKMED    SSRPSTPQRS
AHENLMEAIR    GSSIKQLKRV    EVPEALRWEH    DL.
```
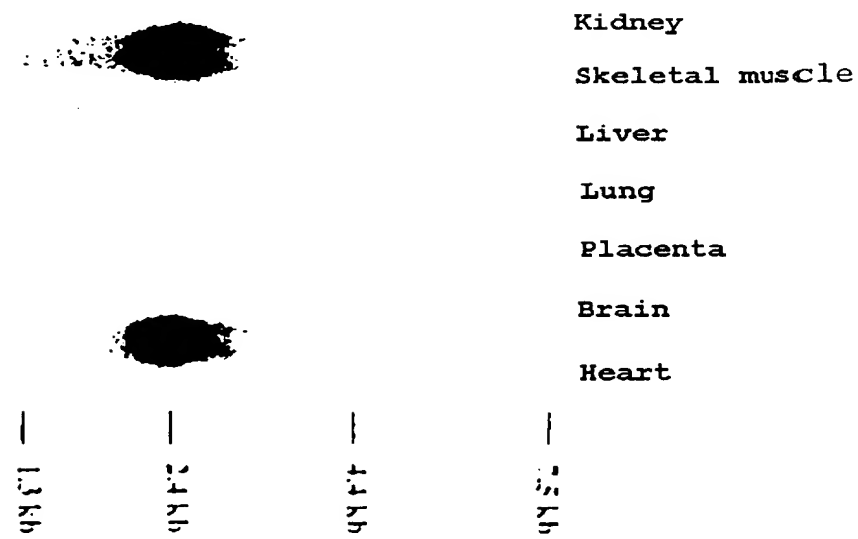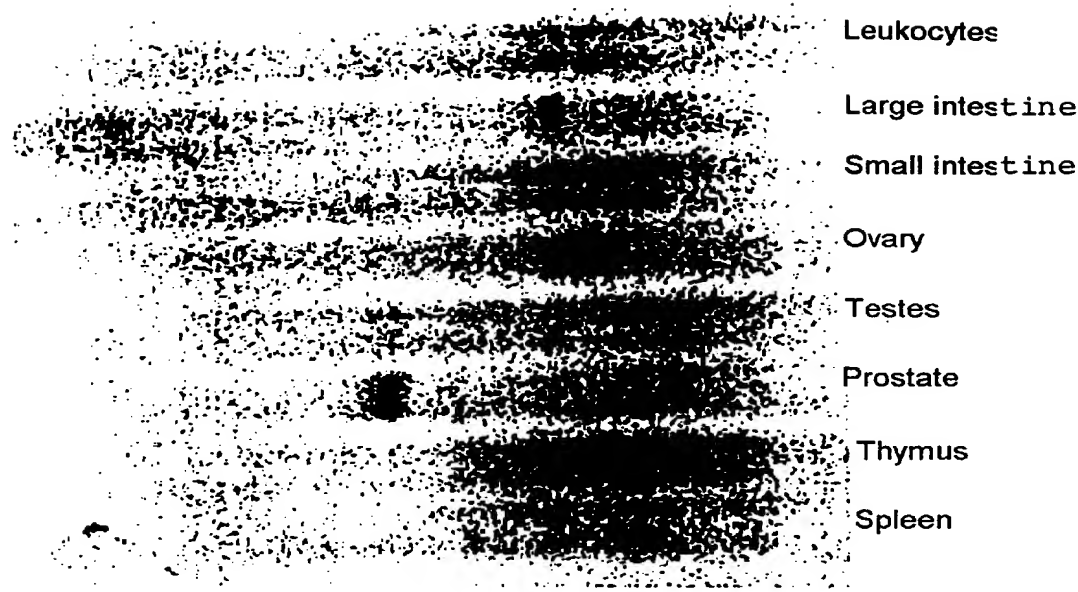
09/44453

Leukocytes

Large intestine

Small intestine

Ovary

Testes

Prostate

Thymus

Spleen

Kidney

Skeletal muscle

Liver

Lung

Placenta

Brain

Heart

Fig. 5a

Fig. 5b

Control: Thymosin